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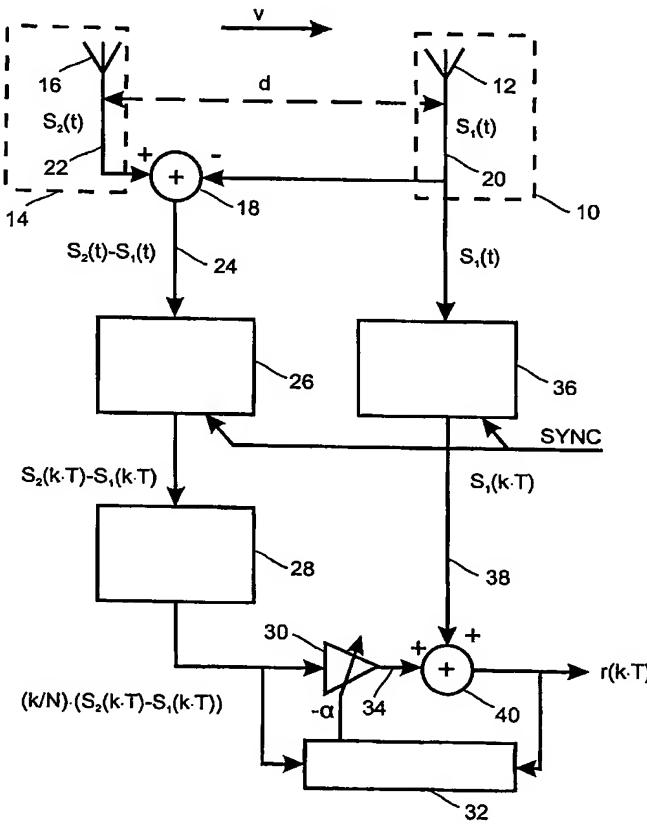
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(54) Title: DIVERSITY RECEIVER



(57) Abstract: The invention is directed to the reception of high rate radio signals (for example DVB-T signals) while the receiver is moving at a high speed (for example in or with a car). Two or more antennas (12, 16) are closely spaced and arranged behind each other in the direction of motion (v) for receiving the radio signals. A difference ( $S_2(t) - S_1(t)$ ) of a signal ( $S_1(t)$ ) obtained via the first antenna (12) and a signal ( $S_2(t)$ ) obtained via the second antenna (16) serves as an estimation of the spatial derivative of the receiving channel transfer function. This spatial derivative is interpreted as a temporal derivative and exploited to cancel or at least reduce distortions (for example ICI) due to rapid receiving channel variations.



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